

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **62043543 A**

(43) Date of publication of application: **25.02.1987**

(51) Int. Cl. **G01N 21/27**  
B60S 1/08  
// F25D 21/02

(21) Application number: **60183212**  
(22) Date of filing: **21.08.1985**

(71) Applicant: **HONDA MOTOR CO LTD**  
(72) Inventor: **TAGAMI KATSUTOSHI**  
**KIKUCHI AKIRA**

### (54) WATER DROP DETECTOR FOR WINDOW GLASS

is automatically driven.

COPYRIGHT: (C)1987,JPO&Japio

#### (57) Abstract:

PURPOSE: To enable automatic driving of a front glass wiper or the like, by providing a projector having a light emitting element and a filter, a passive reflector and a photo detector to detect water drops attached to a front glass.

CONSTITUTION: A projector 1 having a light emitting element 2 and filters 4 and 5 and photo detectors 6 and 7 having light emitting elements 10 and 11 and filters 12 and 13 are mounted on a support arm 18 of a room mirror 17 at a driver's seat while a passive reflector 9 is mounted on a window glass 3. When water drops attaches to the inner or outer surface of the front glass 3, first and second lights A and B projected from the projector 1 are scattered by water drops and a part thereof are detected with the photo detectors 6 and 7 respectively. Based on the detection signal of a detection circuit 21, a defroster driver 22 or a wiper driver 23

